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UNITED STATES PATENT AND TRADEMARK OFFICEUNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 16, 2004

PTAS

MARVELL SEMICONDUCTOR, INC.
INTELLECTUAL PROPERTY DEPARTMENT
700 FIRST AVENUE, MS# 509
SUNNYVALE, CA 94089

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102753688A

NOV 22 2004

MARVELL SEMICONDUCTOR, INC.

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/24/2004

REEL/FRAME: 015362/0267
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JIN, XIAODONG

DOC DATE: 05/05/2004

ASSIGNOR:

TSAI, KING CHUN

DOC DATE: 05/07/2004

ASSIGNOR:

SONG, YONGHUA

DOC DATE: 05/08/2004

ASSIGNEE:

MARVELL SEMICONDUCTOR, INC.
700 FIRST AVENUE
MAIL STOP 509
SUNNYVALE, CALIFORNIA 94089

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015362/0267 PAGE 2

SERIAL NUMBER: 10753101

FILING DATE: 01/06/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR REDUCING WAKE UP TIME OF A POWERED DOWN
DEVICE

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

05-26-2004



102753688

Substitute Form PTO-1595
Attorney Docket No: MP0331VER SHEET
LY

524.04

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Xiaodong Jin, King Chun Tsai and Yonghua Song Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Marvell Semiconductor, Inc. 700 First Avenue Mail Stop 509 Sunnyvale, CA 94089 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 05/05/2004; 05/07/2004 and 05/08/2004	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 10/753,101 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: Eric B. Janofsky General Patent Counsel Marvell Semiconductor, Inc. 700 First Street, Mail Stop 509 Sunnyvale, CA 94089 Customer No. 23624	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Kelvin M. Vivian Reg. No. 53,727 Name of Person Signing Signature: Date: 05-20-04 Total number of pages including coversheet, attachments and document: (4)	

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05/25/2004 MGETACHE 00000085 061050 10753101

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(n) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Mail Stop Assignment Recordation Services, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

May 20, 2004
Date of Deposit

Signature

Nikla M. McMillion
Typed Name of Person Signing Certificate

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Docket#: MP0331

PATENT

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

Xiaodong Jin

King Chun Tsai

Yonghua Song

who have created a certain invention for which an application for United States Letters Patent was filed January 6, 2004, accorded serial number 10/753101 and entitled:

Method and Apparatus for Reducing Wake Up Time of a Powered Down Device

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 700 First Avenue, Sunnyvale, California 94089, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Full Name of Sole/First Inventor:

Xiaodong Jin

Inventor's Signature:

Date: Month/Day/Year

5/07/04

Full Name of Second Inventor, if any:

King Chun Tsai

Inventor's Signature:

Date: Month/Day/Year

c:\msk\ACPN\Letter\MKT\ASSIGNMENT.doc

1 of 2
PATENT TRADEMARK OFFICE

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FROM : MEWA TRADING CO.

PHONE NO. : 852 2407 1399

MAY. 15 2004 09:05AM P1

Docket#: MP0337

PATENT

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

Xiaodong Jin

King Chun Tsai

Yonghua Song

who have created a certain invention for which an application for United States Letters Patent was filed January 6, 2004, accorded serial number 10/758101 and entitled:

Method and Apparatus for Reducing Wake Up Time of a Powered Down Device

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 700 First Avenue, Sunnyvale, California 94089, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

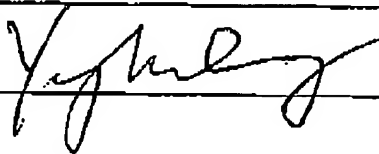
Full Name of Sole/First Inventor:	
Xiaodong Jin	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Second Inventor, if any:	
King Chun Tsai	
Inventor's Signature:	Date: Month/Day/Year
	5/8/2004

Full Name of Second Inventor, if any:

Yonghua Song

Inventor's Signature:



Date: Month/Day/Year

5/7/04



MP 0331

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 16, 2004

MARVELL SEMICONDUCTOR, INC.
ERIC B. JANOFFSKY
GENERAL PATENT COUNSEL
700 FIRST STREET, MAIL STOP 509
SUNNYVALE, CA 94089

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RECORDATION DATE: 05/20/2004

REEL/FRAME: 015362/0169
NUMBER OF PAGES: 3BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: MP0331

ASSIGNOR:

MARVELL SEMICONDUCTOR, INC.

DOC DATE: 05/17/2004

ASSIGNEE:

MARVELL INTERNATIONAL LTD.
41 A CEDAR AVENUE
HAMILTON, HM12, BERMUDA

SERIAL NUMBER: 10753101

FILING DATE: 01/06/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR REDUCING WAKE UP TIME OF A POWERED DOWN
DEVICE

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015362/0169 PAGE 2

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
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Substitute Form PTO-1595
Attorney Docket No.: MP0331

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1. Name of conveying party(ies): Marvell Semiconductor, Inc. Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Marvell International Ltd. 41 A Cedar Avenue Hamilton, Hm12 BERMUDA Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 05/17/2004	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: 10/753,101 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No B. Patent No(s).:	
5. Name/address of party to whom correspondence concerning document should be mailed: Eric B. Janofsky General Patent Counsel Marvell Semiconductor, Inc. 700 First Street, Mail Stop 509 Sunnyvale, CA 94089 Customer No. 23624	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Kelvin M. Vivian Reg. No. 53,727 Name of Person Signing Signature 05-20-04 Date Total number of pages including coversheet, attachments and document: (3)	

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05/25/2004 NCETACHE 00000084 061050 10753101
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May 20, 2004
Date of Deposit
SignatureNikia M. McNeill
Typed Name of Person Signing Certificate

PAGE 22/35 * RCVD AT 2/17/2006 8:13:18 PM [Eastern Standard Time] * SVR:USPTO-EFXXRF-6/26 * DNIS:2738300 * CSID:6508395071 * DURATION (mm-ss):08-10

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ASSIGNMENT**Corporate**

Marvell Semiconductor, Inc., a California corporation, having a principal place of business at 700 First Avenue, Sunnyvale, CA 94089 (hereafter the "Assignor"), is the owner by respective Assignment of United States Patent Application identified below (hereafter sometimes called the "Patent Application").

Marvell International Ltd., a corporation of Bermuda, having a place of business at Argyle House, 41A Cedar Avenue, Hamilton, Hm12, Bermuda (hereafter the "Assignee"), desires to acquire all of the rights to the Patent Application and all inventions described and claimed therein.

THEREFORE, in consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to it, Assignor hereby sells and assigns to the Assignee the entire right, title and interest in and to the Patent Application identified below, and all inventions described and claimed therein, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations, divisions and continuations of such applications or Letters Patent to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee the same as they would have been held and enjoyed by the Assignor had this Assignment and sale not been made.

<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>U. S. Filing Date</u>	<u>Title</u>
MP0831	10/753101	January 6, 2004	Method and Apparatus for Reducing Wake Up Time of a Powered Down Device

By its undersigned representative, the Assignor agrees

- a. to execute all papers necessary in connection with the Patent Application and any continuing, divisional, reissue, reexamination or corresponding application thereof and also to execute separate Assignment in connection with such application as the Assignee may deem necessary or expedient;
- b. to execute all papers necessary in connection with any interference which may be declared concerning the Patent Application or any continuation, division, reissue or reexamination thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; and
- c. to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee on any of the Patent Application and on any continuation, division, reissue or reexamination of any of the Patent Application.

The Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith.

Marvell Semiconductor, Inc., a California corporation, certifies that it is the Assignee of the entire right, title and interest in the Patent Application identified above by virtue of Assignment from the inventors of the Patent Application identified above. Assignment to be recorded in the Patent and Trademark Office as identified below.

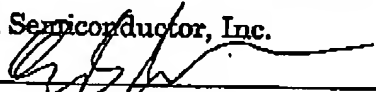
<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>Assignment Execution Date</u>
MP0381	10/753101	5/17/04 and 5/18/04

The undersigned has reviewed the documents in the Patent Application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignor identified above.

The undersigned is empowered to sign this certificate on behalf of the Assignor.

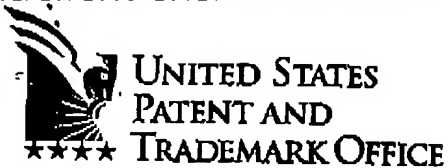
I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IN WITNESS WHEREOF, executed by the Assignor's undersigned representative on the date following the undersigned's name.

Marvell Semiconductor, Inc.
By: 
Eric Janofsky

Title: Vice President Intellectual Property and General Patent Counsel

Date: 5/17/04



MARCH 27, 2003

MARVELL SEMICONDUCTOR, INC.
ERIC B. JANOFSKY
700 FIRST AVE
SUNNYVALE, CA 94089

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MARVELL SEMICONDUCTOR, INC.

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



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RECORDATION DATE: 11/20/2002

REEL/FRAME: 013514/0019
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MARVELL SEMICONDUCTOR, INC.

DOC DATE: 11/20/2002

ASSIGNEE:

MARVELL INTERNATIONAL LTD.
4TH FLOOR WINDSOR PLACE, 22 QUEEN
STREET
HAMILTON HM 11, BERMUDA

SERIAL NUMBER: 10301349
PATENT NUMBER:

FILING DATE: 11/20/2002
ISSUE DATE:

STEVEN POST, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Form PTO-1596
1-31-92

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11-26-2002



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U.S. Department of Commerce
Patent and Trademark Office

MP0171

102293734

To The Commissioner and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

Marvell Semiconductor, Inc.
700 First Avenue, Mail Stop 509
Sunnyvale, CA 94089

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Marvell International Ltd.
4th Floor Windsor Place,
22 Queen Street,
Hamilton HM 11, Bermuda, and
a postal address of
PO Box HM 1179
Hamilton HM EX Bermuda

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Additional name(s) and addresses attached?

☐ Yes ☒ No

Execution Date: November 20, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:
November 20, 2002

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

General Patent Counsel
Marvell Semiconductor, Inc.
700 First Avenue, Mail Stop 509
Sunnyvale, CA 94089
General Telephone Number (408) 222-2500
Facsimile (408) 752-9084
Email: sforno@marvell.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41) \$40.00

☐ Enclosed☒ Authorized to be charged to the credit card
authorized in the attached Submission Of Credit Card
Payment.

8. Deposit Account Number:

25/2002 HADELR1 00000046 10301349

FC:8021

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any copy is a true
copy of the original document.Eric B. Janofsky
Registration No. 80,759

Date:

Total number of pages including cover sheet, attachments and document:

3

ASSIGNMENT Corporate

Marvell Semiconductor, Inc., a California corporation, having a principal place of business at 700 First Avenue, Sunnyvale, CA 94089 (hereafter the "Assignor"), is the owner by respective Assignment of United States Patent Application identified below (hereafter sometimes called the "Patent Application").

Marvell International Ltd., a corporation of Bermuda, having a place of business at 4th Floor Windsor Place, 22 Queen Street, Hamilton HM 11, Bermuda and a postal address of PO Box HM 1179 Hamilton HM EX Bermuda (hereafter the "Assignee"), desires to acquire all of the rights to the Patent Application and all inventions described and claimed therein.

THEREFORE, in consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to it, Assignor hereby sells and assigns to the Assignee the entire right, title and interest in and to the Patent Application identified below, and all inventions described and claimed therein, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations, divisions and continuations of such applications or Letters Patent to the full end of the term or terms for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above-named Assignee the same as they would have been held and enjoyed by the Assignor had this Assignment and sale not been made.

<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>U. S. Filing Date</u>	<u>Title</u>
MP0171	filed herewith	filed herewith	Method and Apparatus for Gain Control in a CMOS Low Noise Amplifier

By its undersigned representative, the Assignor agrees

- a. to execute all papers necessary in connection with the Patent Application and any continuing, divisional, reissue, reexamination or corresponding application thereof and also to execute separate Assignment in connection with such application as the Assignee may deem necessary or expedient;
- b. to execute all papers necessary in connection with any interference which may be declared concerning the Patent Application or any continuation, division, reissue or reexamination thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference; and

c. to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee on any of the Patent Application and on any continuation, division, reissue or reexamination of any of the Patent Application.

The Assignor hereby covenants that it has the full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith.

Marvell Semiconductor, Inc., a California corporation, certifies that it is the Assignee of the entire right, title and interest in the Patent Application identified above by virtue of Assignment from the inventors of the Patent Application identified above. Assignment to be recorded in the Patent and Trademark Office as identified below.

<u>Marvell Semiconductor, Inc. Case No.</u>	<u>U. S. Serial No.</u>	<u>Assignment Execution Date</u>
MP0171	filed herewith	November 20, 2002

The undersigned has reviewed the documents in the Patent Application identified above and, to the best of undersigned's knowledge and belief, title is in the Assignor identified above.

The undersigned is empowered to sign this certificate on behalf of the Assignor.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

IN WITNESS WHEREOF, executed by the Assignor's undersigned representative on the date following the undersigned's name.

Marvell Semiconductor, Inc.

By: _____

Eric Janofsky

Title: General Patent Counsel

Date: 11/20/02

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Customer No. 23824 page 2/2



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MARCH 27, 2003

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Director of the United States Patent and Trademark Office
Washington, DC 20231
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MARVELL SEMICONDUCTOR, INC.
ERIC B. JANOFKY
700 FIRST AVENUE, MAIL STOP 509
SUNNYVALE, CA 94089



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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

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DOC DATE: 11/20/2002

ASSIGNOR:

TSE, LAWRENCE

DOC DATE: 11/20/2002

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SERIAL NUMBER: 10301349

FILING DATE: 11/20/2002

PATENT NUMBER:

ISSUE DATE:

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ASSIGNMENT DIVISION
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To The Commissioner of

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3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: November 20, 2002		4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: November 20, 2002 A. Patent Application No(s). B. Patent No(s). Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Eric B. Janofsky General Patent Counsel Marvell Semiconductor, Inc. 700 First Avenue, Mail Stop 509 Sunnyvale, CA 94089 General Telephone Number (408) 222-2500 Facsimile (408) 752-9084 Email: gfornc@marvell.com		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 8.41) \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to the credit card authorized in the attached Submission Of Credit Card Payment. 8. Deposit Account Number:	
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PAGE 30/35 * RCVD AT 2/17/2006 8:13:18 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:6508395071 * DURATION (mm-ss):08-10

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Docket#: MP0171

PATENT

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

Jin, Xiaodong

Tse, Lawrence

who have created a certain invention for which an application for United States Letters Patent was executed by me concurrently herewith and entitled:

Method and Apparatus for Gain Control in a CMOS Low Noise Amplifier

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 700 First Avenue, Sunnyvale, California 94089, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Date: 11/20/02
Month/Day/Year


Jin, Xiaodong

Date: 11/20/02
Month/Day/Year


Tse, Lawrence